

Gate valve

Trim Material Specification to API 600

Material code	Disc Sealing Surface	Seat Ring surface	Stem	Back Seat
1	13Cr	13Cr	A182-F6a	A276-410
2	18Cr-8Ni	18Cr-8Ni	A182-F304	A276-304
5	Stellite	Stellite	A182-F6a	A182-410
8	13Cr	13Cr	A182-F6a	A182-410
9	Monel	Monel	Ni-Cu Alloy	Ni-Cu Alloy
10	18Cr-8Ni	18Cr-8Ni	A182-F316	A276-316
12	18Cr-8Ni	18Cr-8Ni	A182-F316	A276-316
13	Alloy 20	Alloy 20	Alloy 20	Alloy 20
16	Stellite	Stellite	A182-F316	A276-316
20	Bronze	Bronze	Bronze	Bronze

Standard Material Specification

Name	Carbon Steel to ASTM		Alloy steel to ASTM			Stainless Steel to ASTM			
Body	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
Seat ring	A 105	A350 LF2	A182 F11	A182 F22	A182 F5a	A182 F304	A182 F316	A182 F304L	A182 F316L
Wedge disc	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
Stem	See Trim Material Specificaiton								
Gasket	Reinforced Flat Graphite or Stainless Steel Spiral Wound with Graphite								
Bonnet Bolts	A 193 B7	A 193 L7	A 193 B16	A 193 B16	A 193 B16	A 193 B8	A 193 B8	A 193 B8	A 193 B8
Nuts	A194 2H	A194 4	A194 4	A194 4	A194 4	A194 8	A194 8	A194 8	A194 8
Bonnet	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
Back Seat	See Trim Material Specificaiton								
Packing	S.S.Wire Braided with Graphite or Die-formed Graphite Ring or PTFE								
Lantern	AISI 410					AISI 304	AISI 316	AISI 304L	AISI 316L
Pins	Carbon Steel					Stainless Steel			
Gland	A182 F6a					A182 F304	A182 F316	A182 F304L	A182 F316L
Gland Flange	A216 WCB					A351 CF8			
Eyebolts	A 193 B7	A 193 B7	A 193 B7	A 193 B7	A 193 B7	A 193 B8	A 193 B8	A 193 B8	A 193 B8
Eyenuts	A194 2H	A194 2H	A194 2H	A194 2H	A194 2H	A194 8	A194 8	A194 8	A194 8
Stem Nut	A439 D-2 or A276 410								
Lock Nut	Steel								
Hand-wheel	Ductile iron								
Wheel Nut	Steel								
Lubricator	Steel								
Nameplace	Stainless Steel or Aluminum					Stainless Steel			
Yoke	A216 WCB(if on request)								